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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/068,486A

DATE: 04/18/2003

TIME: 16:00:15

Input Set : A:\GA0217C.ST25.txt

Output Set: N:\CRF4\04182003\J068486A.raw

3 <110> APPLICANT: Genzyme Corporation  
 4 Nacht, Mariana  
 6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CLAUDIN-7  
 8 <130> FILE REFERENCE: GA0217C  
 10 <140> CURRENT APPLICATION NUMBER: US 10/068,486A  
 11 <141> CURRENT FILING DATE: 2002-02-05  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US00/24174  
 14 <151> PRIOR FILING DATE: 2000-08-07  
 16 <150> PRIOR APPLICATION NUMBER: US 60/147,752  
 17 <151> PRIOR FILING DATE: 1999-08-06  
 19 <160> NUMBER OF SEQ ID NOS: 2  
 21 <170> SOFTWARE: PatentIn version 3.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 681  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Homo sapiens  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: CDS  
 30 <222> LOCATION: (40)..(672)  
 31 <223> OTHER INFORMATION:

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35	Met Ala Asn Trp Gly	
36	1 5	
38	ctg cag ttg ctg ggc ttc tcc atg gcc ctg ctg ggc tgg gtg ggt ctg	102
39	Leu Gln Leu Leu Gly Phe Ser Met Ala Leu Leu Gly Trp Val Gly Leu	
40	10 15 20	
42	gtg gcc tgc acc gcc atc ccg cag tgg cag atg agc tcc tat gcg ggt	150
43	Val Ala Cys Thr Ala Ile Pro Gln Trp Gln Met Ser Ser Tyr Ala Gly	
44	25 30 35	
46	gac aac atc atc acg gcc cag gcc atg tac aag ggg ctg tgg atg gac	198
47	Asp Asn Ile Ile Thr Ala Gln Ala Met Tyr Lys Gly Leu Trp Met Asp	
48	40 45 50	
50	tgc gtc acg cag agc acg ggg atg atg agc tgc aaa atg tac gac tcg	246
51	Cys Val Thr Gln Ser Thr Gly Met Met Ser Cys Lys Met Tyr Asp Ser	
52	55 60 65	
54	gtg ctc gcc ctg tcc gcg gcc ttg cag gcc act cga gcc cta atg gtg	294
55	Val Leu Ala Leu Ser Ala Ala Leu Gln Ala Thr Arg Ala Leu Met Val	
56	70 75 80 85	
58	gtc tcc ctg gtg ctg ggc ttc ctg gcc atg ttt gtg gcc acg atg ggc	342
59	Val Ser Leu Val Leu Gly Phe Leu Ala Met Phe Val Ala Thr Met Gly	
60	90 95 100	
62	atg aag tgc acg cgc tgt ggg gga gac gac aaa gtg aag aag gcc cgt	390

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63 Met Lys Cys Thr Arg Cys Gly Gly Asp Asp Lys Val Lys Lys Ala Arg
64          105          110          115          438
66 ata gcc atg ggt gga ggc ata att ttc atc gtg gca ggt ctt gcc gcc
67 Ile Ala Met Gly Gly Gly Ile Ile Phe Ile Val Ala Gly Leu Ala Ala
68          120          125          130          486
70 ttg gta gct tgc tcc tgg tat ggc cat cag att gtc aca gac ttt tat
71 Leu Val Ala Cys Ser Trp Tyr Gly His Gln Ile Val Thr Asp Phe Tyr
72          135          140          145          534
74 aac cct ttg atc cct acc aac att aag tat gag ttt ggc cct gcc atc
75 Asn Pro Leu Ile Pro Thr Asn Ile Lys Tyr Glu Phe Gly Pro Ala Ile
76 150          155          160          582
78 ttt att ggc tgg gca ggg tct gcc cta gtc atc ctg gga ggt gca ctg
79 Phe Ile Gly Trp Ala Gly Ser Ala Leu Val Ile Leu Gly Gly Ala Leu
80          170          175          180          630
82 ctc tcc tgt tcc tgt cct ggg aat gag agc aag gct ggg tac cgt gca
83 Leu Ser Cys Ser Cys Pro Gly Asn Glu Ser Lys Ala Gly Tyr Arg Ala
84          185          190          195          681
86 ccc cgc tct tac cct aag tcc aac tct tcc aag gag tat gtg tgagtcgac
87 Pro Arg Ser Tyr Pro Lys Ser Asn Ser Ser Lys Glu Tyr Val
88          200          205          210
91 <210> SEQ ID NO: 2
92 <211> LENGTH: 211
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 2
98 Met Ala Asn Trp Gly Leu Gln Leu Leu Gly Phe Ser Met Ala Leu Leu
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103          20          25          30
106 Ser Ser Tyr Ala Gly Asp Asn Ile Ile Thr Ala Gln Ala Met Tyr Lys
107          35          40          45
110 Gly Leu Trp Met Asp Cys Val Thr Gln Ser Thr Gly Met Met Ser Cys
111          50          55          60
114 Lys Met Tyr Asp Ser Val Leu Ala Leu Ser Ala Ala Leu Gln Ala Thr
115 65          70          75          80
118 Arg Ala Leu Met Val Val Ser Leu Val Leu Gly Phe Leu Ala Met Phe
119          85          90          95
122 Val Ala Thr Met Gly Met Lys Cys Thr Arg Cys Gly Gly Asp Asp Lys
123          100          105          110
126 Val Lys Lys Ala Arg Ile Ala Met Gly Gly Gly Ile Ile Phe Ile Val
127          115          120          125
130 Ala Gly Leu Ala Ala Leu Val Ala Cys Ser Trp Tyr Gly His Gln Ile
131          130          135          140
134 Val Thr Asp Phe Tyr Asn Pro Leu Ile Pro Thr Asn Ile Lys Tyr Glu
135 145          150          155          160
138 Phe Gly Pro Ala Ile Phe Ile Gly Trp Ala Gly Ser Ala Leu Val Ile
139          165          170          175
142 Leu Gly Gly Ala Leu Leu Ser Cys Ser Cys Pro Gly Asn Glu Ser Lys
143          180          185          190

```

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146	Ala	Gly	Tyr	Arg	Ala	Pro	Arg	Ser	Tyr	Pro	Lys	Ser	Asn	Ser	Ser	Lys
147			195					200					205			
150	Glu	Tyr	Val													
151		210														

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/068,486A**

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